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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/759,424	01/12/2001	Manabu Sawasaki	1508.65123 2317		
24978	7590 11/16/2004		EXAMINER		
GREER, BURNS & CRAIN			NGUYEN, DUNG T		
300 S WACK 25TH FLOOR			ART UNIT	PAPER NUMBER	
CHICAGO, IL 60606			2871		
			DATE MAILED: 11/16/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

					Un			
		Application	No.	Applicant(s)				
Office Action Summary		09/759,424		SAWASAKI ET AL.				
		Examiner		Art Unit	·			
		Dung Nguy		2871				
Period fo	The MAILING DATE of this communication apports Reply	pears on the c	over sheet with the c	correspondence addre	SS			
THE - External after - If the - If NC - Failur Any	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. In period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period interest to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event ly within the statuto will apply and will e e, cause the applica	however, may a reply be tir ry minimum of thirty (30) day xpire SIX (6) MONTHS from tion to become ABANDONE	nely filed s will be considered timely. the mailing date of this comm D (35 U.S.C. § 133).	unication.			
Status								
1)⊠	Responsive to communication(s) filed on 23 A	August 2004.						
2a)□	This action is FINAL . 2b)⊠ This action is non-final.							
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	ion of Claims							
5)⊠ 6)⊠ 7)□	 Claim(s) 1,8,23,32-41,54,55,57,59-61,63 and 65-69 is/are pending in the application. 4a) Of the above claim(s) 54 and 55 is/are withdrawn from consideration. Claim(s) 23,32-41,57,59,60,63,65 and 66 is/are allowed. Claim(s) 1,8,61 and 67-69 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or election requirement. 							
Applicati	on Papers	•						
10)□	The specification is objected to by the Examine The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct the oath or declaration is objected to by the Example 2.	cepted or b) drawing(s) be stion is required	held in abeyance. See if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1	· ·			
Priority u	ınder 35 U.S.C. § 119							
12)[_ a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea See the attached detailed Office action for a list	ts have been ts have been prity document u (PCT Rule	received. received in Applicati s have been receive 17.2(a)).	on No ed in this National Sta	ge			
2) Notic 3) Inforr	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date		Interview Summary Paper No(s)/Mail Da Da Notice of Informal P		2)			

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

- 1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 08/23/2004 has been entered.
- 2. Applicants' amendment dated 07/23/2004 and 08/23/2004 have been received and entered. By the amendment, claims 1, 8, 23, 32-41, 57, 59-61, 63 and 65-69 are now pending in the application.
- 3. Applicant's arguments dated 07/23/2004 have been considered but are moot in view of the new ground(s) of rejection as follow:

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 1, 8, 61 and 67-69 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lien et al., Patent No. 6,493,050, in view of Sonoda et al., US Patent No. 6,433,852.

Regarding the above claims, Lien et al. disclose a liquid crystal display (LCD) device comprising:

. a pair of substrates (102, 104);

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- . a liquid crystal layer (101);
- . color filters (106);
- . a common electrode (122);
- . cell gap adjusting spacers (spacer 108);
- . domain defining projections (114) as claimed.

Lien et al., however, do not disclose the cell gap adjusting spacers directly covered adjacent terminal edges of the color filters as well as formed over a black matrix formed on one of the pair of the substrates. Sonoda et al. do disclose spacers (SP including SP1 and SP2) directly covered adjacent terminal edges of the color filters (FIL) and a black matrix (BM) (see figures 7 and 10). Therefore, it would have been obvious to one skilled in the art at the time of the invention was made to employ a spacer directly covered adjacent terminal edges of the color filters and a black matrix as shown by Len et al. in order to avoid leaking light between color filters (e.g., adjacent terminal edges of the color filters).

Allowable Subject Matter

6. Claims 23-32-41, 57, 59-60, 63 and 65-66 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: none of prior art disclose, singly or combined, an LCD device having a plurality of spacers interposed between two substrates, wherein the spacers are formed to satisfy all condition as set forth in claims 32-33. Furthermore, pixel regions include both first pixel regions, in which a final protection film is interposed between pixel electrodes and a transparent substrate, and second pixel regions, in which the final protection film is not interposed between the pixel

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electrodes and the transparent substrate as set forth in claims 23, 32-34, 38, 57, 59-60, 63 and 65-66.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung Nguyen whose telephone number is 571-272-2297. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert H. Kim can be reached on 571-272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 8,66-217-9,197 (toll-free).

DN

11/15/2004

Dung Nguyen Primary Examiner

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